



IN THE SPECIFICATION:

Please amend the Specification as follows.

Please add the following paragraph/headings on page 1 after the title of the invention and before paragraph [0001]:

“BACKGROUND OF THE INVENTION

Field of the Invention”

Please add the following paragraph/heading on page 1 immediately before paragraph [0002]:

“Description of Related Art”

Please add the following paragraph/heading on page 2 immediately before paragraph [0006]:

“Summary of the Invention”

Please add the following paragraph/heading on page 8 immediately before paragraph [0035]:

“Brief Description of the Drawings”

Please add the following paragraph/heading on page 8 immediately before paragraph [0046]:

“Detailed Description of the Preferred Embodiments”

Please REPLACE the current Abstract with the following replacement Abstract:

“An optical data transmission system (200) ~~comprises~~ having a hub (202), an optical router (210), and a plurality of optically pumped sources (212) at a kerb location (208), and a plurality of optical network units (ONUs) (204). The ONUs generate and transmit respective data modulated pumping light to the kerb location where it is received by the optically pumped sources, which convert it into the wavelength channels having predefined wavelength ranges assigned to respective ONUs. The optical router routes the wavelength channels for transmission to the hub.”